

IMPLEMENTING DATA MANAGEMENT APPLICATION PROGRAMMING  
INTERFACE ACCESS RIGHTS IN A PARALLEL FILE SYSTEM

**ABSTRACT**

In a cluster of computing nodes having shared access  
5 to one or more volumes of data storage using a parallel  
file system, a method for managing the data storage  
includes initiating a data management application in the  
cluster using a data management application programming  
interface (DMAPI) of the parallel file system. When a  
10 request submitted to the parallel file system is received  
on one of the nodes to perform an operation on a file in  
one of the volumes of data storage, a data management  
access right is obtained from the DMAPI responsive to the  
request. The operation is performed on the file using  
15 the access right.